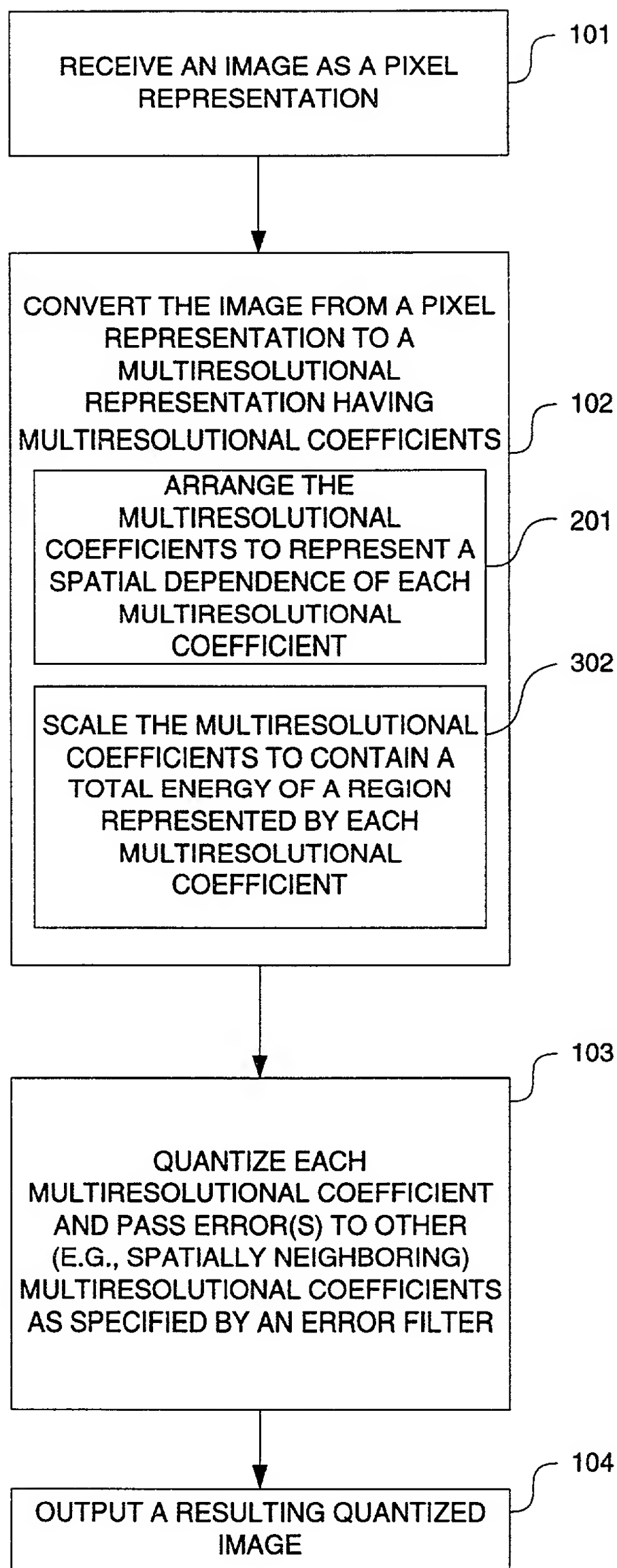
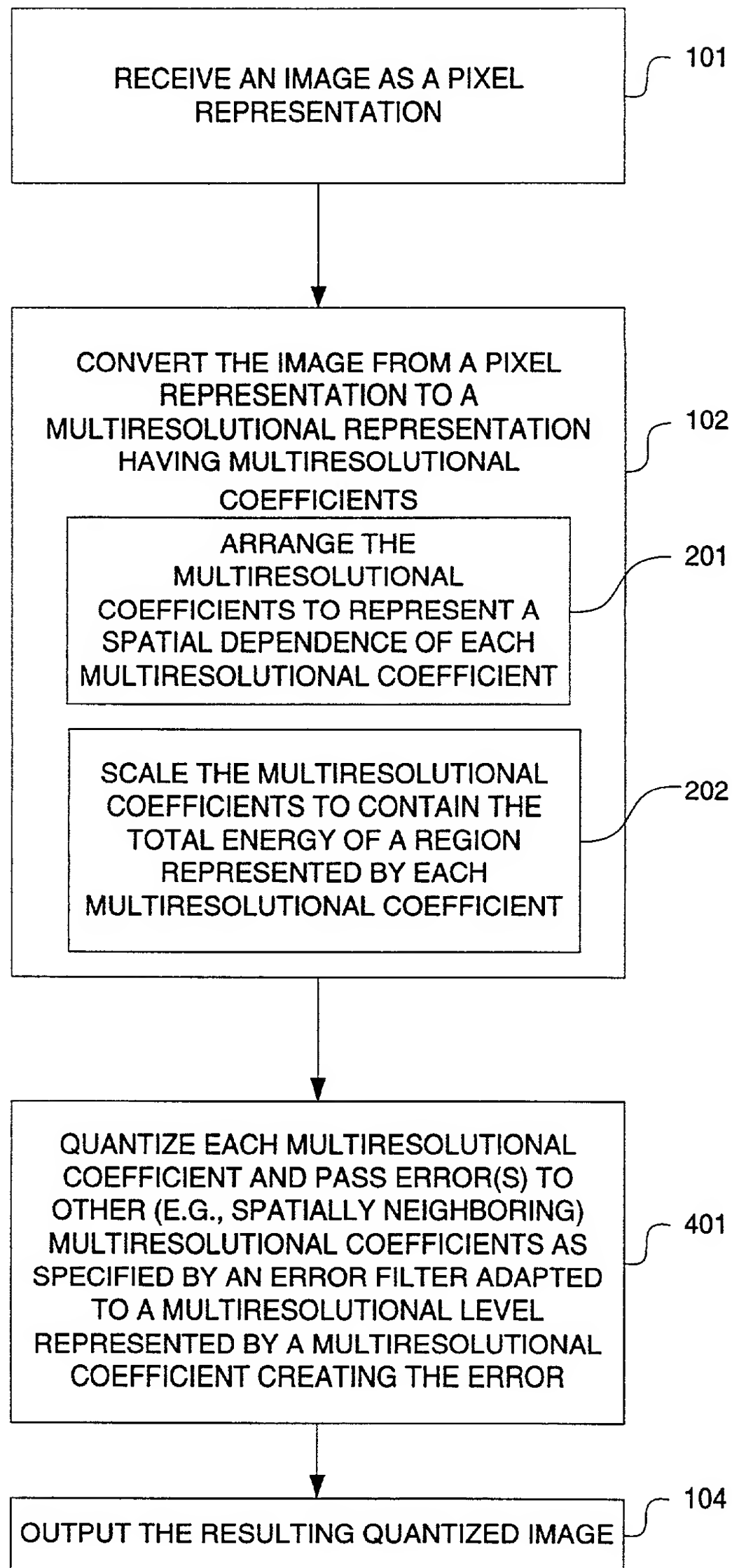


**FIG. 1**



**FIG. 2**



**FIG. 3**

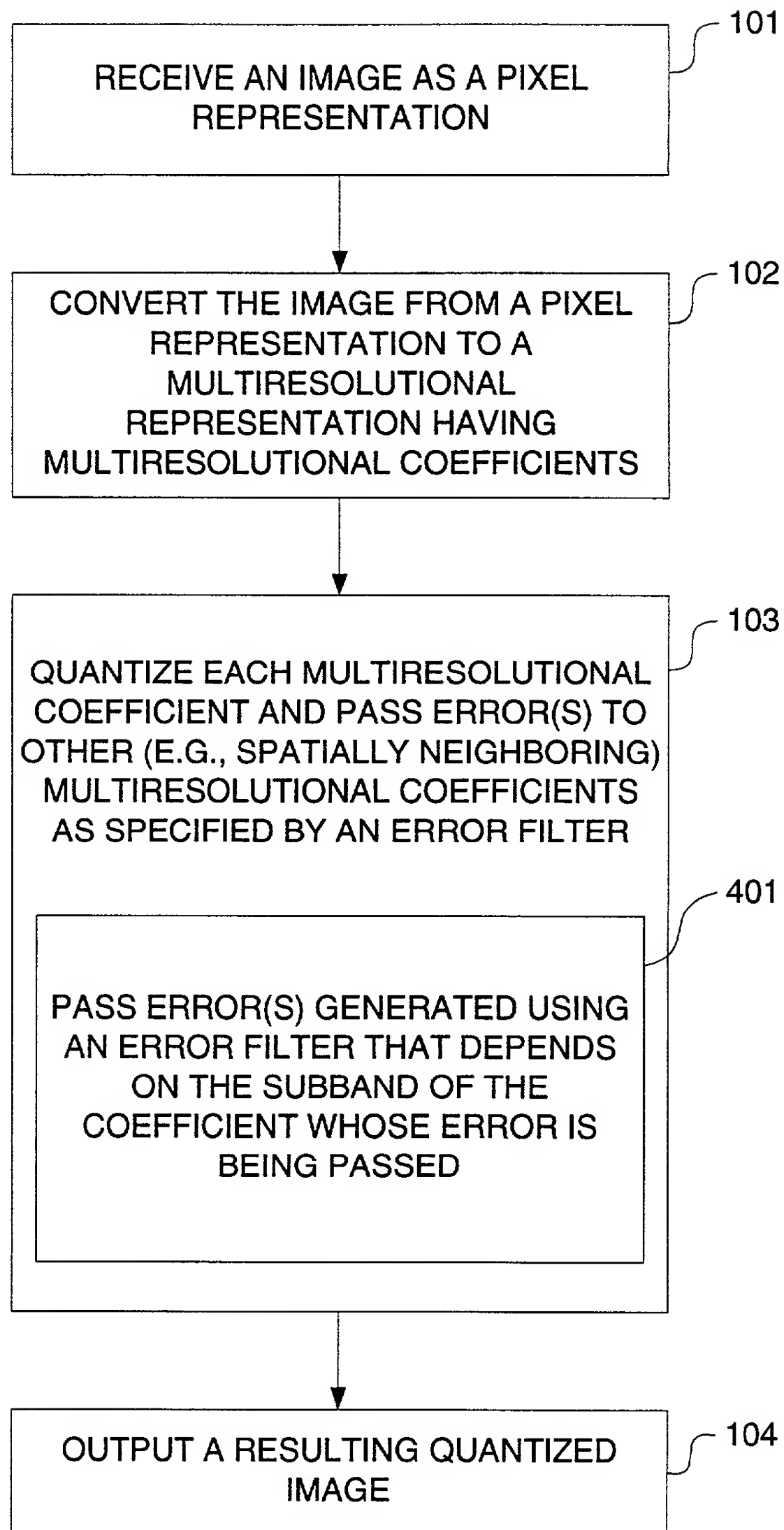


FIG. 4

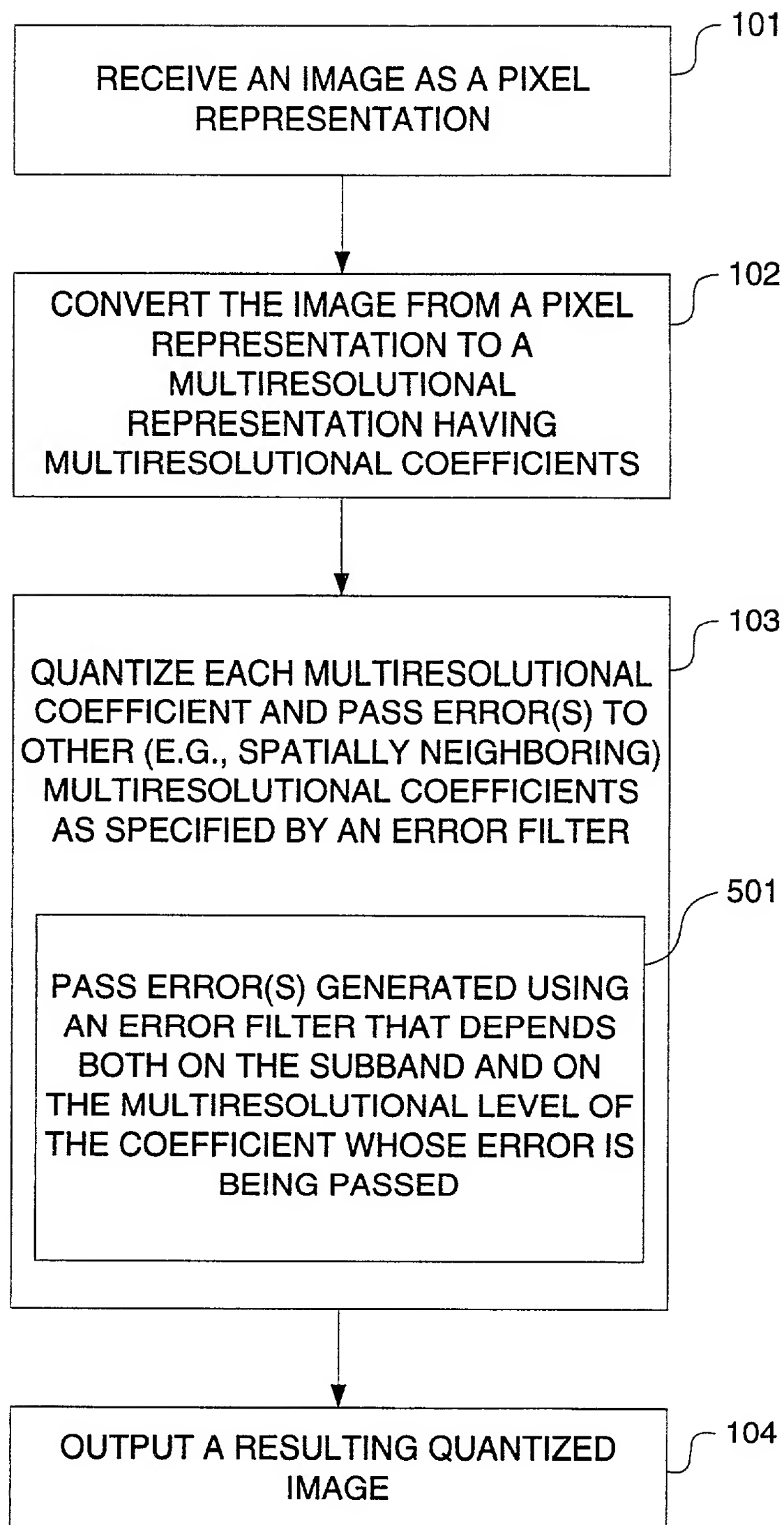
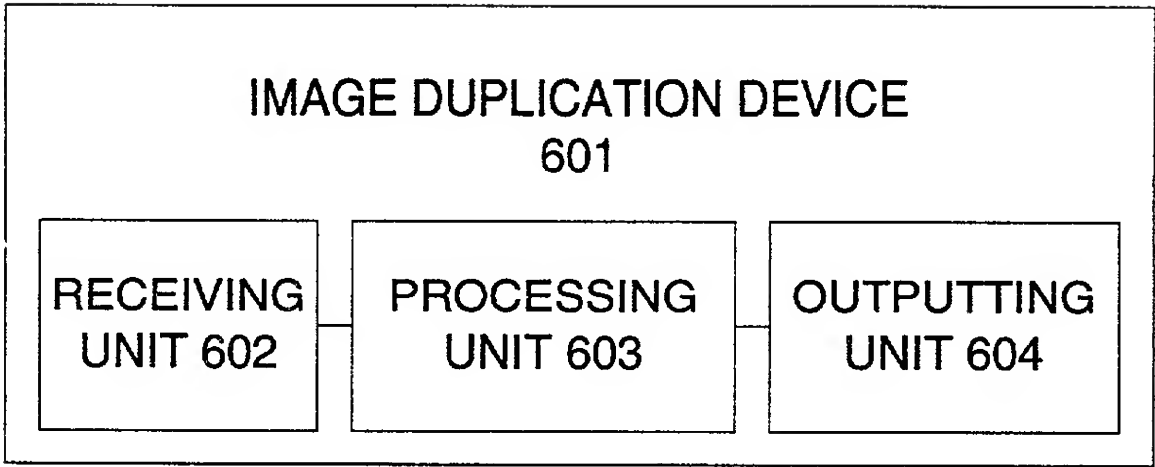


FIG. 5



**FIG. 6A**

FIG. 6B is a block diagram of a system for processing an image. The system includes an input image 610, a 2D multi-resolutional transform unit 621, a processing unit 622, an arranger 623, an error diffusion unit 624, and a halftone image output 625. The input image 610 is processed by the 2D multi-resolutional transform unit 621, which then feeds into the processing unit 622. The processing unit 622 may include J2K, compression, enhancement, and color management. The output of the processing unit 622 is then arranged by the arranger 623, which feeds into the error diffusion unit 624. Finally, the error diffusion unit 624 produces the halftone image output 625.

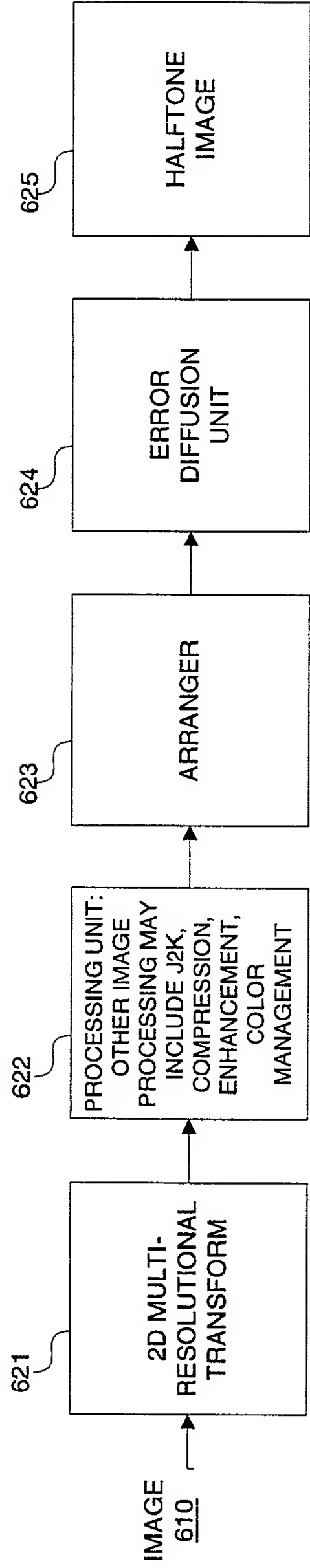


FIG.  
6B

Figure 7A and 7B are schematic diagrams of a system for providing a user with a personalized experience. The system includes a user device (710) and a server (720). The user device (710) is connected to the server (720) via a network (730). The user device (710) includes a display (711) and a processor (712). The server (720) includes a database (721) and a processor (722). The network (730) is connected to the user device (710) and the server (720).

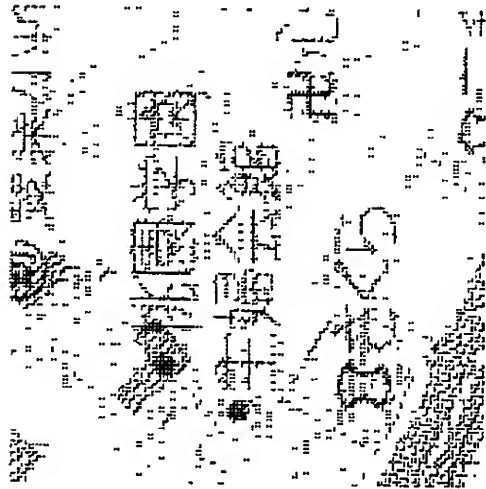


FIG. 7A

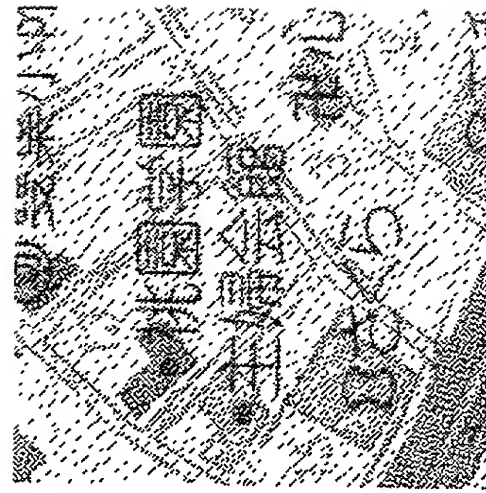


FIG. 7B



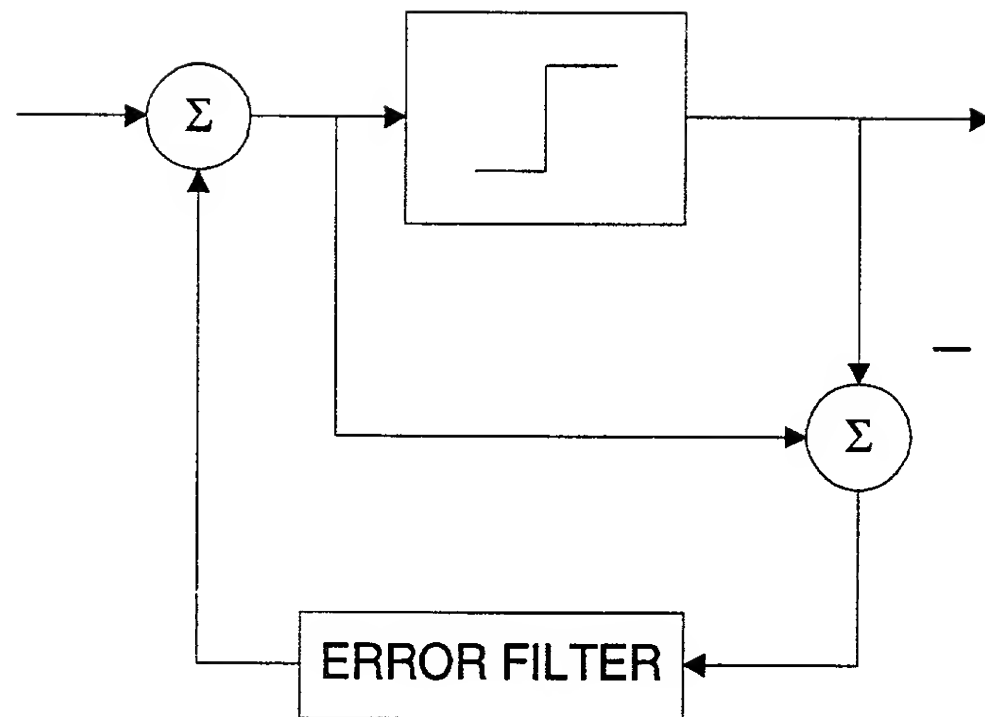


FIG. 8

FIG. 9A

|     |     |     |     |
|-----|-----|-----|-----|
| 2LL | 1HL | 2LL | 1HL |
| 1LH | 1HH | 1LH | 1HH |
| 2LL | 1HL | 2LL | 1HL |

FIG. 9B

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 3LL | 1HL | 2HL | 1HL | 3LL | 1HL |
| 1LH | 1HH | 1LH | 1HH | 1LH | 1HH |
| 2LH | 1HL | 2HH | 1HL | 2LH | 1HL |
| 1LH | 1HH | 1LH | 1HH | 1LH | 1HH |
| 3LL | 1HL | 2HL | 1HL | 3LL | 1HL |

FIG. 10A



FIG. 10A



FIG. 10B

FIG. 11 is a schematic diagram of a grid structure. The grid is composed of 6 rows and 6 columns. The grid is divided into four quadrants by a horizontal line and a vertical line. The top-left quadrant (rows 1-3, columns 1-3) is empty. The top-right quadrant (rows 1-3, columns 4-6) contains a large 'X' in the top row and three diagonal lines in the middle and bottom rows. The bottom-left quadrant (rows 4-6, columns 1-3) contains three diagonal lines in the top row and two diagonal lines in the middle and bottom rows. The bottom-right quadrant (rows 4-6, columns 4-6) contains three diagonal lines in the top row and two diagonal lines in the middle and bottom rows.

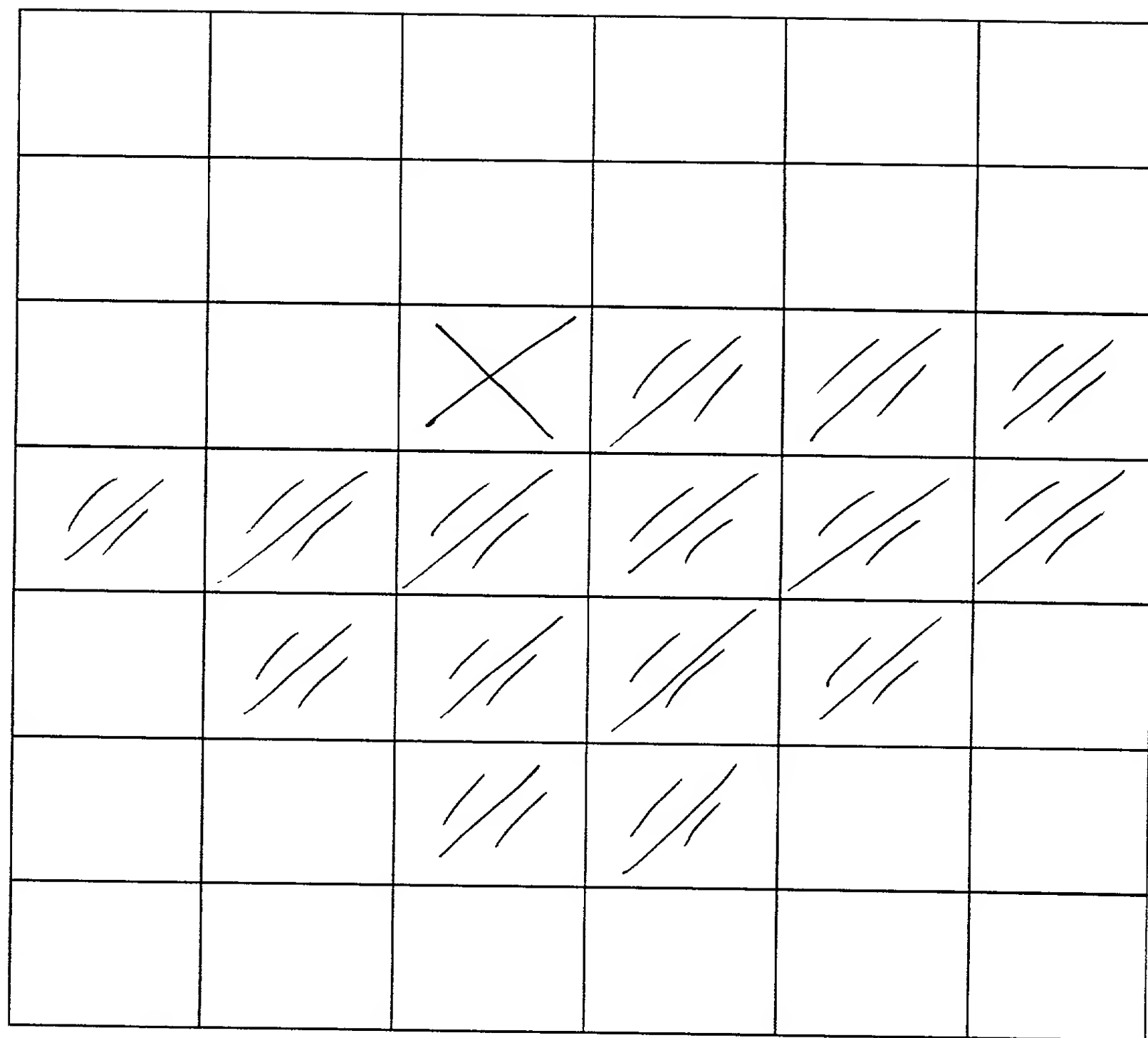


FIG. 11